

ABSTRACT OF THE DISCLOSURE

A router device and a label switched path control method capable of reducing the number of label switched paths to be set up by using an upstream initiated procedure in which the label allocation starts from an ingress router are disclosed. In the router device, a router identification information of a target router to be set as an egress router if possible is stored in an egress router list at a time of setting up a label switched path from the router device as an ingress router, and a control to set up the label switched path to the target router stored in the egress router list is carried out. Then, a label switched path identification information of the label switched path set up according to the control and an address information to be given to packets that are to be transferred by passing through the target router stored in the egress router list, are stored in correspondence in a routing table, and a routing processing for the packets is carried out according to the label switched path identification information and the address information stored in the routing table.

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